

**Applicant: Yi-Bin Hsieh
Application No.: 10/810,016**

REMARKS/ARGUMENTS

By this amendment, claims 1 and 5 are amended to incorporate the features of the allowable claims 4 and 8, respectively. No new matter is introduced. Claims 4 and 8 are cancelled without prejudice. By this amendment, claims 1-3 and 5-7 are allowable over the cited reference.

This amendment adds claims 9-12, which are supported in Fig. 5(b) and its relevant description. Regarding these claims and the prior art, Uehara et al. does not teach or suggest claim 9 in the present application, because it does not disclose or suggest that the frequency of the first and second digital pulse signals is the same as that of the pair of differential analog signals before being divided into the third and fourth digital pulse signals, and the output pulse signal having the same frequency as that of the pair of differential analog signals is generated according to the third and fourth digital pulse signals having a divided frequency of the pair of differential analog signals, as is now claimed in claim 9 and its dependent claims 10-12.

On the contrary, the frequency of Uehara's analog signals is first set twice and then divided into two when it is brought into digital form (col. 22, lines 20-24). In other words, the frequency of the digitized signal, after being divided, is the same as that of the input analog signals. No further frequency-dividing operation is disclosed in Uehara et al to result in frequency-divided digital signals like the third

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or fourth digital pulse signal of the present invention. Uehara's Figs. 11~14, also support this conclusion.

The Office Action further rejected claim 2 under 35 USC 112, second paragraph, because "said specified phase difference" lacks proper antecedent basis. The Applicant respectfully traverses this reject. Since "a specified phase difference" has appeared on lines 7 of claim 1, "said specified phase difference" has proper antecedent basis.

Allowance of all pending claims 1-3, 5-7 and 9-12 is respectfully requested.

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Conclusion

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephone interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing amendment and remarks, Applicant respectfully submits that the present application is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Yi-Bin Hsieh

By 
Stephen B. Schott
Registration No. 51,294

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103
Telephone: (215) 568-6400
Facsimile: (215) 568-6499

SBS/rw